

CLAIMS:

1. A display device comprising a substrate, which is provided with groups of pixels and at least one semiconductor device associated with each group of pixels and being provided at the area of said group of pixels, the semiconductor device being provided with drive means for driving pixels dependent on data to be displayed and with picture scaling means.
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2. A display device as claimed in claim 1, wherein the picture scaling means comprise means to determine the kind of scaling to be performed.
- 10 3. A display device as claimed in claim 1, wherein the picture scaling means provide several pixels within a group of pixels with the same data voltages.
4. A display device as claimed in claim 3, wherein the picture scaling means determine intermediate voltages for neighboring pixels.
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5. A display device as claimed in claim 4, wherein the picture scaling means determine intermediate voltages for pixels in neighboring columns.
6. A display device as claimed in claim 4, wherein the picture scaling means
20 determine intermediate voltages for pixels in neighboring rows.
7. A display device as claimed in claim 4 comprising a further connection between neighboring semiconductor devices
- 25 8. A display device as claimed in claim 4, wherein the driving means comprise a frame memory and means to detect changes between the contents of subsequent frames.

9. A display device as claimed in claim 1, wherein the means for recognizing the location comprise at least one of the group comprising a read-only structure and a programmable memory.
- 5 10. A display device as claimed in claim 1, wherein the drive means have a bus structure.